

**OAK GROVE VILLAGE  
WELL  
MISSOURI  
EPA ID# MOD981717036**

**EPA Region 7**  
**City: Oak Grove Village/Sullivan**  
**County: Franklin County**  
**Other Names:**

**07/08/2002**



## **SITE DESCRIPTION**

The Oak Grove Village Well site is a state-lead Superfund Site that has an unattributed and undefined trichloroethylene (TCE) ground water plume. TCE has been detected in the Oak Grove Village municipal drinking water well above the maximum contaminant level (MCL) since 1986. Oak Grove Village is a small rural community, with a population of about 420 people. It is adjacent to and northeast of the city of Sullivan, Missouri, which has an approximate population of 6,400. The Oak Grove Village Well site is located on the Sullivan 7.5-minute quadrangle map in Sections 4 and 9, Township 40 North, Range 2 West. The site is underlain by dolomitic formations of the Ordovician and Cambrian Age that lend themselves to karst features including springs, sinkholes, and losing streams. Regionally, the ground water flow direction is parallel to the major surface-water drainages, which trend north to northeast, causing the ground water flow in Oak Grove Village and the city of Sullivan to vary from an easterly direction to a northeast direction. However, due to the karst terrain, ground water flow in the Oak Grove Village/Sullivan area is complicated by the possibility of fractures and subsurface conduits that run beneath the site.

### **Site Responsibility:**

The site is being addressed through Federal and State actions.

### **NPL LISTING HISTORY**

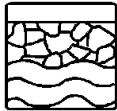
**Proposed Date:** 09/13/2001

**Final Date:**

**Deleted Date:**

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## THREATS AND CONTAMINANTS



TCE contamination has been known to be present in the Oak Grove Village municipal well since 1986. Another contaminant, tetrachloroethylene (PCE), has also been detected in the well on occasion in the past. Private and public wells scattered within a three mile radius of the Oak Grove Village well have also shown TCE at detectable levels. Franklin County residents use the ground water for drinking purposes, which raises a concern regarding ingestion. Inhalation is also a factor as the ground water is used for household activities such as showering, cooking, and washing dishes and clothing.

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## CLEANUP APPROACH

### Response Action Status



**Initial Actions:** In 2001, based on a health consultation by the Agency for Toxic Substances and Disease Registry (ATSDR) and the Missouri Department of Health (MDOH), EPA initiated a Time Critical Removal Action. This action provides whole-house filtration systems for private wells that had TCE detected above the MCL. Two homes in the area have been equipped with filtration systems, while others are monitored on a quarterly basis. If additional monitoring shows other private wells are above the MCL, they will also be included under the Time Critical Removal Action.



**Site Studies:** A full-scale Remedial Investigation/Feasibility Study is underway to determine the nature and extent of the ground water contamination at the site. This investigation includes looking at the ground water and bedrock dynamics throughout the Sullivan and Oak Grove Village area.

### Site Facts:

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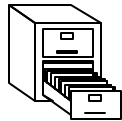
## ENVIRONMENTAL PROGRESS



Oak Grove Village residents are currently hooked to the Sullivan public water supply and plan on installing a new municipal well which will include well-head treatment. Two private homes with TCE detected above the MCL have been provided household filtration units, and other homes are being monitored on a quarterly basis. Therefore, the potential for exposure to contaminated drinking water has been reduced while investigations continue in order to determine the nature and extent of the TCE contamination.

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## SITE REPOSITORY



Oak Grove Village City Hall  
260 James Street  
Oak Grove Village, MO 63080

Sullivan Public Library  
104 W. Vine Street  
Sullivan, MO 63080

Superfund Records Center  
901 N. 5th St.  
Kansas City, KS 66101  
Mail Stop SUPR  
(913)551-4038

## REGIONAL CONTACTS

**SITE MANAGER:**

Tonya Howell

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**COMMUNITY INVOLVEMENT COORDINATOR:** Hattie Thomas

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Candice McGhee

**PHONE NUMBER:**

573-751-8629

## MISCELLANEOUS INFORMATION

**STATE:**

MO

07PZ

**CONGRESSIONAL DISTRICT:**

9

**EPA ORGANIZATION:**

SFD-MOKS

## MODIFICATIONS

Created by:

Tonya

Created Date:

06/17/2002 01:21 PM

Howell/SUPR/R7/USEPA/US

**Last Modified by:**

Tonya

**Last Modified Date:**

07/08/2002 05:38 PM

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